

Soumyadip Nayak

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Skills

Programming

- Python (3+ yrs) • SQL (3+ yrs)
- JavaScript (2+ yrs) • Dart (1 yr)
- C/C++ (2+ yrs)

Technology/Tools

- AWS • GCP • Git • BitBucket
- PostgreSQL • Selenium
- Pandas • FastAPI • ReactJS
- NodeJS • NestJS • Jira

Education

Chandigarh University

Masters in Computer Applications

2025 – Present

CGPA: 8.8 / 10 (Upto 1st Semester)

Ramakrishna Mission

Residential College

B.Sc (Hons.) in Mathematics

Minor: Computer Science, Statistics

2019 – 2022

CGPA: 7.28 / 10

Languages

English (Professional)

Bengali (Native)

Hindi (Basic)

Experience

Intelligent Revenue LLP

Software Engineer

Dec 2023 – Aug 2025

- Developed a web scraping bot in **Python** using **Selenium** and **requests** library that fully automated a manual data collection workflow. Used **mypy** and **pytest** for code quality and unit testing
- Defined ELT logic and generated excel reports from the extracted data using **Pandas**
- Created **EC2** instances to
 1. run the scraping workload
 2. host a SonarQube server
- Created **RDS** and **AppRunner** services in AWS using **Cloudformation** which brings high availability and elasticity
- Created functions, views in **PostgreSQL** database to execute CRUD operations
- Created a webhook API using **FastAPI** and **SQS** that handles interaction with third party services
- Created and maintained Lambda functions in AWS using **SAM Framework** which streamlined development and testing procedures
- Enforced user and network level restrictions in AWS using **IAM** and **VPC**
- Implemented user authentication and RBAC authorization using **Auth0**
- Created templates for **BitBucket pipeline** that automated CI/CD workload

Digital Avenues Infotech Pvt. Ltd.

Software Engineer

Oct 2022 – Dec 2023

- Developed a web scraping bot in **Python** using **Scrapy**, **Selenium** and **BeautifulSoup** library to collect data from various websites regularly
- Defined ETL logic over the extracted data using **Pandas**
- Created functions, tables, views in **PostgreSQL** database to execute CRUD operations
- Created stored procedures and table functions in **BigQuery** to execute data warehousing tasks
- Created **Compute Engine**, **App Engine** and **Cloud Function** resources to execute scraping, ETL tasks
- Developed functionality to interact with **Google Cloud Natural Language API** to accomplish text classification and translation tasks
- Developed prototype text classification model using **Keras**

Software Trainee

Jul 2022 – Sep 2022

- Received training to develop fullstack application using **PostgreSQL**, **ExpressJS**, **AngularJS**, **NodeJS**